IN THE CLAIMS:

Please cancel claims 25, 29, 39, and 43 without prejudice or disclaimer; amend claims 1-3, 5, 7, 8, 11-22, 24, 26, 28, 30-36, 38, 40, and 42 as indicated below; and add claims 44-50 as follows:

- 1. (Currently amended) A method of announcing to a user the presence of a real or virtual entity[[,]] or a representation of it, thereof in a current environment of the user, wherein comprising announcing to the user the entity or [[its]] representation is announced to the user thereof using an audio announcement that has a presentation character at least one aspect of which, other than or additional in addition to [[its]] loudness, is set in dependence on the range distance between the user and the entity[[,]] or [[its]] representation thereof, in the current environment, said at least one aspect being one of speaking style, vocabulary, and speaker voice.
- 2. (Currently amended) A method according to claim 1, comprising the steps of:
- (a) determining the range distance between the user and said entity[[,]] or [[its]] representation[[,]] thereof in the current environment;
- (b) selecting, on the basis of the range distance determined in step (a), one announcement from multiple available announcements that

have respective presentation characters differing from each other in said at least one aspect;

- (c) retrieving stored announcement data for the <u>one</u> announcement selected in step (b); and
- (d) generating said audio announcement using the retrieved announcement data to generate said audio announcement.
- 3. (Currently amended) A method according to claim 1, comprising the steps of:
- (a) determining the range distance between the user and said entity[[,]] or [[its]] representation[[,]] thereof in the current environment;
- (b) selecting, on the basis of the range distance determined in step (a), one presentation character from among multiple available presentation characters that differ from each other in said at least one aspect;
 - (c) retrieving stored announcement data; and
- (d) generating said audio announcement using the retrieved announcement data and such so as to impart to it thereto the one presentation character selected in step (b).
- 4. (Original) A method according to claim 1, wherein the announcement made includes a component personalised to the user.

- 5. (Currently amended) A method according to claim [[1]] 2, wherein said at least one aspect of the presentation character is vocabulary one of:
 - --- speaking style;
 - vocabulary;
 - - speaker voice.
- 6. (Original) A method according to claim 1, wherein the announcement is made when the range distance reaches any one of a set of trigger values, the announcement presentation character being dependent on the trigger value reached.
- 7. (Currently amended) A method according to claim 1, wherein the announcement is made at periodic intervals, [[with]] the announcement presentation character being dependent on the current range distance value.
- 8. (Currently amended) A method according to claim 1, wherein said current user environment is an audio field in which items are represented by corresponding synthesized sound sources from where sounds related to the items appear to emanate, one such item constituting said entity with the corresponding sound source forming [[a]] said representation of the entity in the audio field, and the audio announcement having a presentation character [[the]] said at least one aspect of which is dependent on the range distance between

the user and the location in the audio field of the sound source representing said entity.

- 9. (Original) A method according to claim 8, wherein said entity is a real-world entity with a real-world location, the sound source representing the entity being positioned in the audio field at a range distance value from the user dependent on the actual distance between the user and said real-world location.
- 10. (Original) A method according to claim 8, wherein said entity is an augmented reality service that has an associated real-world location, the sound source representing the entity being positioned in the audio field at a range distance value from the user dependent on the actual distance between the user and said real-world location.
- 11. (Currently amended) A method according to claim 1, wherein [[the]] said current user environment is the current real-world environment of the user, and said entity is a real-world entity, with the said at least one aspect of the audio-announcement presentation character being set in dependence on the range distance between the user and the real-world entity itself.
- 12. (Currently amended) A method according to claim 11, wherein the range distance between the user and the entity is determined by range-determining equipment at one of the entity, the user, and

generally in the environment, either alone or in cooperation with auxiliary range-determining equipment at another of the entity, the user, and generally in the environment[[;]], the range distance being provided to selection equipment at one of the user, the entity, and generally in the environment[[,]] in order to determine the announcement presentation character to be used.

- 13. (Currently amended) A method according to claim 11, wherein said audio announcement is made by announcement equipment at the entity using announcement data retrieved from a data store at one of one of the entity, the user, and generally in the environment.
- 14. (Currently amended) A method according to claim 11, wherein said audio announcement is made by announcement equipment at the user using announcement data retrieved from a data store at one of one of the entity, the user, and generally in the environment.
- 15. (Currently amended) A method according to claim 11, wherein said audio announcement is made by announcement equipment generally in the environment using announcement data retrieved from a data store at one of one of the entity, the user, and generally in the environment.
- 16. (Currently amended) Apparatus for providing an audio user interface in which items are represented in an audio field by

corresponding synthesized sound sources from where sounds related to the items appear to emanate, the apparatus comprising:

- [[-]] rendering-position determining means for determining, for each said sound source, an associated rendering position at which the sound source is to be synthesized to sound in the audio field;
- [[-]] rendering means, including audio output devices, for generating an audio field in which said sound sources are synthesized at their associated rendering positions, the audio output devices being such as arranged to permit the user also to hear real-world sounds from the environment; and
- [[-]] announcement-control means for causing at least one said item to be announced to the user, via the corresponding sound source, using an audio announcement that has a presentation character at least one aspect of which, other than or additional in addition to [[its]] loudness, is set in dependence on a range distance between the user and the location of the sound source in the audio field, said at least one aspect being one of speaking style, vocabulary, and speaker voice.
- 17. (Currently amended) Apparatus according to claim 16, wherein [[a]] said at least one item to be announced to the user is a real-world entity with a real-world location, the rendering-position determining means being operative to receive data on the actual distance between the user and said real-world location and to position the sound source representing the real-world entity in the audio field

at a range distance value from the user dependent on said actual distance.

- 18. (Currently amended) Apparatus according to claim 16, wherein [[a]] said at least one item to be announced to the user is an augmented reality service that has an associated real-world location, the rendering-position determining means being operative to receive data on the actual distance between the user and said real-world location and to position the sound source representing the augmented reality service in the audio field at a range distance value from the user dependent on said actual distance.
- 19. (Currently amended) Apparatus according to claim 16, wherein the announcement-control means includes a data store for holding, for each said at least one item to be announced to the user, announcement data for multiple announcements that have respective presentation characters differing from each other in said at least one aspect[[:]], the announcement-control means being operative to select, for each said at least one item to be announced to the user, the appropriate announcement data for [[the]] said range distance concerned, the rendering means being operative to use the selected announcement data to produce an announcement at the determined rendering position of the corresponding sound source.

- 20. (Currently amended) Apparatus according to claim 16, wherein the announcement-control means includes a data store for holding announcement data for each said at least one item to be announced to the user[[,]] and means for applying to an announcement a selected one of multiple different presentation characters that differ from each other in said at least one aspect[[;]], the announcement-control means being operative to select, for each said at least one item to be announced to the user, the appropriate presentation character which it and then applies apply same to the corresponding announcement data such so as to cause the rendering means to produce an announcement with the selected presentation character at the determined rendering position of the corresponding sound source.
- 21. (Currently amended) Apparatus according to claim [[16]] 19, wherein [[the]] said at least one aspect of presentation character is vocabulary one of:

-- vocabulary;

- speaker voice.

22. (Currently amended) Apparatus for announcing to a user the presence of a real-world entity in the user's current environment, the apparatus comprising:

- [[-]] storage means for storing announcement data for multiple announcements that have respective presentation characters differing from each other in at least one aspect other than[[,]] or additional in addition to[[,]] loudness, said at least one aspect being one of speaking style, vocabulary, and speaker voice;
- [[-]] means for determining a range distance between the user and
 said entity;
- [[-]] means for selecting, on the basis of the determined range
 distance, one announcement from said multiple announcements;
- [[-]] means for retrieving, from said storage means, the
 announcement data for the selected announcement; and
- [[-]] means for generating an audio announcement using the retrieved announcement data.
- 23. (Original) Apparatus according to claim 22, wherein the announcement is arranged to be made when the range distance reaches any one of a set of trigger values, the announcement presentation character being dependent on the trigger value reached.
- 24. (Currently amended) Apparatus according to claim 22, wherein the announcement is arranged to be made at periodic intervals, [[with]] the announcement presentation character being dependent on the current range distance value.

25. (Cancelled)

- 26. (Currently amended) Apparatus for announcing to a user the presence of a real-world entity in the user's current environment, the apparatus comprising:
 - [[-]] storage means for storing announcement data;
- [[-]] means for determining a range distance between the user and said entity;
- [[-]] means for selecting, on the basis of the determined range distance, one presentation character from among multiple available presentation characters that differ from each other in at least one aspect other than, or additional to, loudness, said at least one aspect being one of speaking style, vocabulary, and speaker voice;
- [[-]] means for retrieving the announcement data from the storage
 means; and
- [[-]] means for generating an audio announcement using the retrieved announcement data and such so as to impart to it thereto the one presentation character selected.
- 27. (Original) Apparatus according to claim 26, wherein the announcement is arranged to be made when the range distance reaches any one of a set of trigger values, the announcement presentation character being dependent on the trigger value reached.

28. (Currently amended) Apparatus according to claim 26, wherein the announcement is arranged to be made at periodic intervals. [[with]] the announcement presentation character being dependent on the current range distance value.

29. (Cancelled)

- 30. (Currently amended) Apparatus for providing an audio user interface in which items are represented in an audio field by corresponding synthesized sound sources from where sounds related to the items appear to emanate, the apparatus comprising:
- [[-]] a rendering-position determining arrangement operative to determine, for each said sound source, an associated rendering position at which the sound source is to be synthesized to sound in the audio field;
- [[-]] a rendering subsystem, including audio output devices, arranged to generate an audio field in which said sound sources are synthesized at their associated rendering positions, the audio output devices being such as arranged to permit the user also to hear real-world sounds from the environment; and
- [[-]] an announcement-control arrangement operative to cause at least one said item to be announced to the user, via the corresponding sound source, using an audio announcement that has a presentation character, at least one aspect of which, other than or additional in

addition to [[its]] loudness, is set in dependence on a range distance between the user and the location of the sound source in the audio field, said at least one aspect being one of speaking style, vocabulary, and speaker voice.

- 31. (Currently amended) Apparatus according to claim 30, wherein [[a]] said at least one item to be announced to the user is a real-world entity with a real-world location, the rendering-position determining arrangement being operative to receive data on the actual distance between the user and said real-world location and to position the sound source representing the real-world entity in the audio field at a range distance value from the user dependent on said actual distance.
- 32. (Currently amended) Apparatus according to claim 30, wherein [[a]] said at least one item to be announced to the user is an augmented reality service that has an associated real-world location, the rendering-position determining arrangement being operative to receive data on the actual distance between the user and said real-world location and to position the sound source representing the augmented reality service in the audio field at a range distance value from the user dependent on said actual distance.
- 33. (Currently amended) Apparatus according to claim 30, wherein the announcement-control arrangement includes a data store for holding,

for each said at least one item to be announced to the user, announcement data for multiple announcements that have respective presentation characters differing from each other in said at least one aspect[[;]], the announcement-control arrangement being operative to select, for each said at least one item to be announced to the user, the appropriate announcement data for [[the]] said range distance concerned, the rendering subsystem being operative to use the selected announcement data to produce an announcement at the determined rendering position of the corresponding sound source.

34. (Currently amended) Apparatus according to claim 30, wherein the announcement-control arrangement includes a data store for holding announcement data for each said at least one item to be announced to the user, and an arrangement operative to apply to an announcement a selected one of multiple different presentation characters that differ from each other in said at least one aspect[[;]], the announcement-control arrangement being operative to select, for each said at least one item to be announced to the user, the appropriate presentation character which it then applies apply same to the corresponding announcement data [[such]] so as to cause the rendering subsystem to produce an announcement with the selected presentation character at the determined rendering position of the corresponding sound source.

35. (Currently amended) Apparatus according to claim [[16]] 33, wherein [[the]] said at least one aspect of presentation character is vocabulary one of:

- **36.** (Currently amended) Apparatus for announcing to a user the presence of a real-world entity in the user's current environment, the apparatus comprising:
- [[-]] a data store for storing announcement data for multiple announcements that have respective presentation characters differing from each other in at least one aspect other than[[,]] or additional in addition to[[,]] loudness, said at least one aspect being one of speaking style, vocabulary, and speaker voice;
- [[-]] an arrangement operative to determine a range distance
 between the user and said entity;
- [[-]] an arrangement operative to select, on the basis of the determined range distance, one announcement from said multiple announcements:
- [[-]] an arrangement operative to retrieve, from said store, the announcement data for the selected announcement; and

- [[-]] an arrangement operative to generate an audio announcement using the retrieved announcement data.
- 37. (Original) Apparatus according to claim 36, wherein the announcement is arranged to be made when the range distance reaches any one of a set of trigger values, the announcement presentation character being dependent on the trigger value reached.
- 38. (Currently amended) Apparatus according to claim 36, wherein the announcement is arranged to be made at periodic intervals, [[with]] the announcement presentation character being dependent on the current range distance value.
 - **39**. (Cancelled)
- **40.** (Currently amended) Apparatus for announcing to a user the presence of a real-world entity in the user's current environment, the apparatus comprising:
 - [[-]] a data store for storing announcement data;
- [[-]] an arrangement operative to determine a range distance
 between the user and said entity;
- [[-]] an arrangement operative to select, on the basis of the determined range distance, one presentation character from among multiple available presentation characters that differ from each other in at least one aspect other than[[,]] or additional in addition

- to[[,]] loudness, said at least one aspect being one of speaking style, vocabulary, and speaker voice;
- [[-]] an arrangement operative to retrieve the announcement data
 from the data store; and
- [[-]] an arrangement operative to generate an audio announcement using the retrieved announcement data and such so as to impart to it thereto the one presentation character selected.
- **41.** (Original) Apparatus according to claim **40**, wherein the announcement is arranged to be made when the range distance reaches any one of a set of trigger values, the announcement presentation character being dependent on the trigger value reached.
- **42.** (*Currently amended*) Apparatus according to claim **40**, wherein the announcement is arranged to be made at periodic intervals, [[with]] the announcement presentation character being dependent on the current range distance value.

43. (Cancelled)

44. (New) A method according to claim 1, wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.

- 45. (New) Apparatus according to claim 16, wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.
- **46.** (New) Apparatus according to claim **22,** wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.
- 47. (New) Apparatus according to claim 26, wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.
- 48. (New) Apparatus according to claim 30, wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.
- **49**. (New) Apparatus according to claim **36**, wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.

50: (New) Apparatus according to claim 40, wherein the presentation character is set in dependence on range in a consistent manner so a user can rely on the association between range and presentation character being fixed.